

## SMALL COTTAGE OF GOOD DESIGN

Basement Facilities One of the Most Important Parts of the Plan Outlined.

### HIP ROOF ALSO A FEATURE

Much Attention Given to the Proper Foundations of Structure That Is Sure to Give Every Satisfaction to the Occupants of the House.

By WILLIAM H. RADFORD.

Mr. William A. Radford will answer questions and give advice FREE OF COST on all subjects pertaining to the subject of building, for the readers of this paper. On account of his wide experience as Editor, Author and Manufacturer, he is, without doubt, the highest authority on all these subjects. Address all inquiries to William A. Radford, No. 187 Prairie avenue, Chicago, Ill., and only enclose two-cent stamp for reply.

An English-style cottage with hip roof and basement makes a very satisfactory small house for certain level locations where it is impractical to excavate deep enough for a regular cellar.

There are many towns in prairie sections of the country where the fall is not sufficient to put in deep sewers. Also, in the more southern sections, it is not necessary to dig sewers deep down into the ground to avoid frost. It is cheaper and more satisfactory to lay them near the surface.

On such building sites basement houses are quite common, and this medium-sized cottage, with its cool, roomy basement, is well liked. The basement, being principally above ground, is supplied with windows almost as large as ordinary house windows.

The idea is to make the basement into a splendid workroom. It is naturally cool in summer, warm in winter and comfortable to work in during all seasons. It is the proper place for the laundry and storeroom, besides providing conveniences for doing a great many household chores.

Hip roofs are common in some communities. They are well liked because they are neat and attractive in appearance, and because everybody is accustomed to seeing a hip roof, or cottage roof, as it is often called, so that such roofs are local favorites, and they become fixed as a permanent fashion.

The pitch of the roofs varies in different sections, according to the amount of rainfall. Also, the material for covering roofs varies in the different parts of the country, owing to local fashions or customs, and to the fact that certain roofing materials are cheaper in some places, and consequently are more in demand.

The foundation of a house like this usually is made of concrete or stone.



The foundation walls may reach up to the main house floor, or they may stop at or a little above the lot grade line. It may be cheaper to build a superstructure of wood from the ground level up. This is done by placing the sill on the foundation wall, then either build a superstructure of 2 by 6 uprights to support the house sill, or the joists are made long enough to reach from the foundation wall to the plates. With this construction a 2-inch strip is gained into the studding to support the outer ends of the floor joists. The floor joists also are spiked into the studding, so that the building is all tied together at the house floor.

A very pleasing effect is secured by building the porch partially into the house proper and extending it a few feet out beyond the house in the manner shown in the perspective.

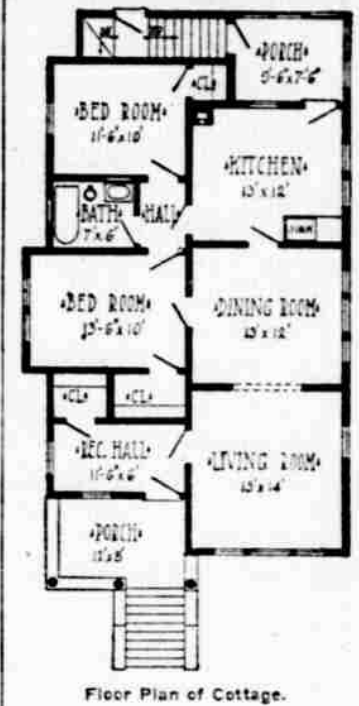
Because the veranda floor is built 6 or 7 feet above grade the front steps are necessarily longer, and they are built wide to reduce the long effect. For the same reason the ramparts are built at the sides of the steps in two divisions, as shown in the perspective.

The main floor is high enough from the ground to satisfy certain timid people who object to living or sleeping close down to the ground. Low-down bedroom windows seem so easy of access from the outside. This probably is one reason why houses of this design are so popular in certain sections of the country. A large number of people have a horror of night prowlers, very often unnecessarily so. At the same time, they have their likes and dislikes, all of which affect the

selection of certain house designs. All the living rooms and bedrooms are high enough from the ground to be safe from ground moisture, which is another consideration when building a one-story house in this way.

The plan shows three living rooms on one side of the house and two bedrooms and a bathroom on the other side. The living rooms usually are laid out for the sunny side, and the bedrooms on the north or east. It is easy to reverse a floor plan to bring the rooms on the right side of the house.

In building cottage or bungalows it has been found that a partition



Floor Plan of Cottage.

through the center of the house, dividing the living rooms from the sleeping rooms, is the most satisfactory arrangement.

The bathroom naturally belongs between the two bedrooms, as shown on this plan.

The exposed interior woodwork all through this little house is plain and neat, being selected because the design is smooth and straight, with square corners. These strips of plain straight wood have taken the place of old-fashioned moldings that often were deeply recessed. People building these cottage houses like to see considerable interior woodwork, so that mill-work factories are turning out patterns especially suitable for such artistic homes. The one particular pattern that may be chosen is carried through all the rooms on the main floor, so that they all correspond in workmanship and interior finish.

All modern houses are well lighted. It is the fashion to put in double or triple windows wherever wall space will permit. It is easy to shut out the light with a dark green shade, but if the window is not there the housekeeper is helpless on dark days. Also, large windows and plenty of them add very much to the appearance of a

## THE WORLD IN PARAGRAPHS

A BRIEF RECORD OF PASSING EVENTS IN THIS AND FOREIGN COUNTRIES.

### IN LATE DISPATCHES

DOINGS AND HAPPENINGS THAT MARK THE PROGRESS OF THE AGE.

Western Newspaper Union News Service.

#### ABOUT THE WAR

The trawler Letty was blown up off Deggerbank in the North Sea.

The trawlers Tunisian and Castor have been sunk by a German submarine.

The trawler Pentland was sunk in the North Sea by shell fire from a German submarine. The crew was saved.

An army transport was shelled and sunk and another transport forced to leave its anchorage by Turkish forts at the Dardanelles.

The British troops sunk a Turkish submarine and captured a Turkish transport. The governor of Amara surrendered the garrison to the invaders.

The Belgian steamer Menapier has been sent to the bottom by a German torpedo near the North Foreland. Out of twenty-three persons on board only six were saved.

Premier Asquith announced in the House of Commons that the total British casualties from the beginning of the war to May 31 was 258,069 men in killed, wounded and missing.

Ten thousand recruits of the reserve classes of 1888 to 1895 joined the colors at Milan. Each soldier received a donation of 40 cents for expenses sustained in reaching Milan and in addition, his daily pay of \$2.

The Turkish gunboat Marmaris has been sunk and the Turkish transport Mosul has been captured, according to an official statement given out by the British government. The action took place in the Persian gulf region.

Three German transports, the Russian second-class cruiser Amur, a naval auxiliary vessel, a British bark and steamer and a French mine-layer, have been sunk, according to official announcement made in London.

Stanislau, the most important railway center in southwest Galicia, was stormed and captured by the right wing of the Austro-Germans closing in upon Lemberg. The defeated Slavs are falling back upon the Danister.

#### WESTERN

Revised figures on the Frisco wreck north of Enid, Okla., showed fifteen to twenty persons injured.

Senator Sutherland has announced his candidacy to succeed himself as United States senator from Utah.

The pilot schooner Adventure, formerly the yacht of John Borden of Chicago, was virtually destroyed by fire in San Francisco bay.

J. W. Frasch, a locomotive engineer of Ames, Ia., has fallen heir to the \$25,000,000 left by an uncle, Herman Frasch, who died in Paris.

A. L. Dyer, forty-four years old, American vice-consul at Monterey, Mex., who was found dead in a street of that city several days ago, died of heart failure.

Champ Clark, speaker of the House of Representatives, will go to San Francisco to make the principal address at the welcoming of the liberty bell at the Panama-Pacific exposition July 17.

Roy D. Moulton of Portland, Ore., was elected president of the Greater Portland Chamber of Commerce, a hotel men's national organization, at its convention at Atlanta, Ga. V. S. Warriner of Denver was elected secretary and treasurer.

Harvey B. Ferguson, former congressman from New Mexico, who recently resigned as private secretary to William Jennings Bryan, died at his home at Albuquerque, N. M., of apoplexy. He was sixty-seven years old.

#### WASHINGTON

President Wilson has appointed Curtis F. Pike assayer in charge of the assay office, Boise, Idaho.

President Wilson by his every word and act showed his deep feeling over Secretary Bryan's decision to resign from the cabinet.

Secretary Daniels definitely announced that the proposed trip of the Atlantic fleet through the Panama canal had been called off.

Robert Lansing, counselor of the State Department, received his formal appointment as secretary of state at interim. Assistant Solicitor Chandler Anderson will act temporarily as counselor.

Formal notification of the Italian blockade of the Austro-Hungarian and Albanian coast lines reached the State Department from Ambassador Page at Rome.

Just as the new American note to Germany was started on its way over the telegraph wires, William Jennings Bryan at his home gave out a statement of his position.

The thirty-ninth battleship built for the American navy since 1892 will take the water June 19, when the superdreadnought Arizona slips from the ways at the New York navy yard.

#### FOREIGN

Seven British vessels were torpedoed and sunk by German submarines in twenty-four hours.

The French mine-layer Casablanca was blown up by a mine at the entrance to a bay on the Aegean Sea.

A subscription for war sufferers opened in Milan brought in the sum of 2,000,000 francs in forty-eight hours.

The restaurant Baratte, famous night resort of the quarter of the Central Markets in Paris, has been closed, and will probably never be reopened.

The Italian government has declined to accept the military service of Prince Louis Napoleon Bonaparte, because of its delicacy of feeling toward France.

The Havas agency has received a dispatch from its agent at Madrid, who says it is officially announced that an epidemic of cholera has broken out in Vienna.

General Villa announced his willingness to resign from the leadership of the Conventionalist faction and eliminate himself from Mexican politics, to prevent American intervention in Mexico.

Reginald A. J. Warneford, the young Canadian sublieutenant in the royal navy, who, in an aeroplane, attacked and wrecked a Zeppelin dirigible over Belgium, was given the Victoria cross at London.

Extension of the German empire beyond the old frontiers to "secure it against future attack" was predicted by King Ludwig of Bavaria in an address before the Canal league, according to a telegram from Munich.

London newspapers interpreted Secretary of State Bryan's resignation as an indication that President Wilson's rejoinder to Germany is so formally phrased that war between the United States and Germany may result.

There has been a riotous outbreak in Ceylon by Buddhists against the Moslems, in which numerous Moslem shops were looted and many murders occurred, according to an official communication made public in London.

Felipe Elizende, parish priest of Rosario, Sinaloa, arrived at San Francisco on the steamer Prince Albert, from Mazatlan, Sinaloa, with seventeen parishioners, in flight from Caranza officials, who, he said, leveled a second assessment of \$5,000 on his parish immediately after payment of a previous similar fine. The priest was held in prison as hostage until the first assessment was paid.

#### SPORTING NEWS

Standing of Western League Clubs.

Clubs.	Won.	Lost.	Pct.
Des Moines	24	15	.615
Topeka	23	16	.592
Omaha	22	18	.550
Denver	19	17	.524
Lincoln	18	20	.474
St. Joseph	17	21	.447
Bozeman City	16	23	.410
Wichita	13	24	.349

A large and fine list of horses have been entered for the two week's race meet in Denver, which ends on July 2.

Jim Flynn, Pueblo fireman, will meet Jack Dillon before the Editors' Sporting Club in Indianapolis, on July 5.

Charlie White of Chicago knocked out Charlie Thomas of Philadelphia in the seventh round of their twelve-round match at Boston.

Benny Chavez of Trinidad was awarded the decision over Matty Smith of Racine, Wis., at the end of twenty rounds at Trinidad, Colo.

Joe Mandot of New Orleans was given a decision over Joe Azavedo of California at the end of fifteen rounds of rough fighting at New Orleans.

The provisions of the seventeenth open championship event of the Western Golf Association, to be played at Mayfield Country Club, Cleveland, Ohio, July 19 to 24, were announced in Chicago.

Porter Charlton, the American, accused of having murdered his wife at their villa at Como, Italy, in June of 1916, was declared to have been mentally responsible at the time of his wife's death.

#### GENERAL

The Dutch battleship Jacob Van Heemskerck arrived at Newport News, Va., from Curacao, Dutch West Indies, for repairs.

Miss Beatrice Anita Baldwin-Turnbull, who claims she is a daughter of the famous late Lucky Baldwin, was married in Boston to Baron Andrew Vincent de Patterson.

An appeal from the Roosevelt verdict in his \$50,000 libel suit will be taken in October by counsel for William Barnes, Jr., of New York.

The Georgia prison commission declined to recommend to Governor Eaton a commutation of the death sentence of Leo M. Frank, convicted of the murder of Mary Phagan.

Instructions to be prepared to take the field at a moments notice, with the warning that fever and smallpox are common in Mexico, were received at Phoenix by the Arizona militia from the War Department at Washington.

After funeral services the body of Charles R. Bishop, a prominent banker of San Francisco, who died at the age of ninety-three, was shipped to Honolulu, where years ago he married Bernice Pauahi Paki, an Hawaiian princess.

Gen. Bennett H. Young of Louisville was re-elected commander-in-chief of the United Confederate Veterans at Richmond, Va. Birmingham, Ala., was selected as the 1916 reunion city. They telegraphed the President their support and appreciation of his course in the present crisis.

## KEEP WATCH ON OIL

Matter Which Automobile Driver Must Take Into Particular Consideration.

### WEATHER IS GREAT FACTOR

Proper Lubrication of Motor More Difficult on Hot Days Than Cool Ones, but Owner Must Find Out How Best to Treat the Situation.

These are touring days, and days when adequate motor lubrication is a necessity. The motor lubrication is more difficult in hot days than in cooler weather because of the higher oil temperatures and the loss in quality of the oil because of this higher temperature. The lubricating qualities of oil depend on its viscosity; that is, its ability to hold together and to spread out into an extremely thin film between the wearing surfaces without breaking. The cooler the oil the higher its viscosity, and the hotter the oil the lower and poorer its viscosity. Oils vary much in their viscosity. There are many oils that have the same viscosity at temperature of 100 degrees Fahrenheit, but which have an entirely different viscosity at 200 degrees. The quality of an oil largely depends on its ability to retain its viscosity at high temperatures. In hot weather the motor temperatures are higher than in cooler weather, consequently the lubricating qualities of the oils are reduced and lubrication troubles may come that ordinarily would not be known.

The owner can take a few precautions. He may be required to use a heavier oil, considerably heavier than he used in the winter months. If he used a light in the winter he may use a heavy now and it will feed little faster than the light one did in the cold weather. In addition to using heavier oils it will be necessary to periodically drain off the oil in case a circulating oiling system is used. Not a few car owners fill the oiling system every 300 miles. When such refillings are made it will be well to drain off the old supply and cleanse the crankcase thoroughly with kerosene. With such precautions lubricating troubles will be reduced. The owner must remember that he drives much more in the hot weather per week than he does in the cool weather and so must proportionately increase his attention to the oiling system.

### IMPROVED FORM OF FENDER

Device That Seems Adapted to Do Away With Most Serious Form of Accidents.

A telescopic fender for automobiles which recently won third place at the New York invention show is shown in the drawing. The instant a body



Automatic Fender.

touches the bumper a curtain drops in front so that it is impossible for the body to be crushed or injured by the wheels. This device, when struck, automatically shuts off the magnet so that the car comes to a standstill—World's Advance.

#### Rubber Regenerator Wanted.

A prize of \$15,000 has been offered by the German government for a satisfactory process of regenerating rubber. It is not merely a "reclaiming" process that is desired, but a real "regenerating" process. The resiliency of the original rubber must be regained to an extent of at least ninety per cent in order to make the process eligible for competition. The tire problem is beginning to worry the army authorities, and negotiations are said to be pending with the manufacturer of a well-known fiber tire, of the tension type, which is expected to solve the difficulty of obtaining rubber for pneumatic in sufficient quantity for army needs.—Scientific American.

#### Motorcycle Overtakes a Train.

"You can't do it," said Lieutenant Carter, a British army officer, when Veri Barhouse of Ashland, Ore., offered to carry the lieutenant to the next station in time for him to catch a train which he had just missed. But since it would be a long wait for the next train, he decided to take the chance. So he hopped into the sidecar and they were off. In just fourteen minutes the two-wheeler covered the twelve miles to the next station, where the lieutenant boarded his train.

#### May Hurt Tube.

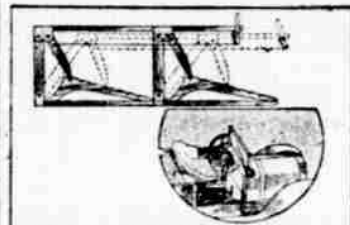
Although French chalk placed between a tube and the shoe is very desirable to prevent adhesion, too much of it may prove as bad or worse than none. If too much is used, it is likely to work up into little balls, when the continual rubbing and rolling around will ruin a tube in short order and make it almost beyond repair or scarcely worth the cost of the work.

## NEW ADJUSTABLE SEAT

MOTOR IMPROVEMENT THAT WILL BE WELCOMED.

May Be Quickly Sited to Any Driver Suddenly Called Upon to Take Charge of Car.

While the necessity of an adjustable automobile seat suited for quick adaptation to different drivers long has been felt, the invention of such a device has been made only recently by an Australian. In the case of an ordinary fixed seat, the reach to the clutch and brakes may be comfortable for one chauffeur and exceedingly awkward for another. To overcome this trouble, a frame has been made which



This Automobile Seat Is Adjustable to Suit the Driver.

may be adjusted speedily to any desired position by moving the seat downward and forward, or upward and backward. This function of the arrangement is made possible by the operation of a single lever. To do this, a series of ratchet bars are employed which are fastened to the seat by link rods. Pivoted to these are locking members which engage and disengage the ratchets.—Popular Mechanics.

#### Roadside Remedy.

In the event of the glass of the tail lamp being broken, it is well to know of two expedients by which immediate progress is rendered possible. The first is to procure a sheet of thin tissue paper at a stationer's or toy dealer's and to tie it over the frame which held the glass. As there is no head draft against the tail lamp, this is perfectly practicable if the necessary reddish paper is procurable. A second method which applies to any lamp on the car, is to get a sheet of "butter paper," which is obtainable at every village store, double it, grease it, and tie it over the lamp front with wire. This is sufficiently transparent to allow of legal limit traveling with a single acetylene headlight so shrouded, and at this pace a double layer of the paper is windproof for 20 miles at any rate. If forced to apply this to a tail lamp, spill a little red ink over the paper before greasing it, and trust the police to be kind.

#### Storing Pneumatic Tires.

Tires that are being stored and are not required for immediate service should be kept in a cool, dark place. A temperature of 50 degrees Fahrenheit has been recommended by many experts as the best. Wrap the tires up in strips of thick, brown paper after having washed them with soap and water and allowed them to dry thoroughly. If the tires are on the car and not likely to be used for some time, the car should be jacked up and nearly all the air allowed to escape from the tires. If about five pounds of air pressure is allowed to remain in the tire it will be sufficient to keep the tubes soft and pliable and still eliminate all strain. If the car is left standing on the tires in the garage it would be well to keep the tires about two-thirds of the full pressure. The car should be moved occasionally so that its weight does not always rest on the same spot.

#### Flush New Radiators.

When the radiator is first put in service it should be flushed out with twelve to fifteen gallons of clear water, after which it should be filled with clean water through the screen in the filler tube. In service only clean water should be used, and it should always be filled through the screen. If filled to the top the surplus water will, when the motor is started, escape through the overflow tube leading from the filler to the bottom of the radiator. This tube also offers a means of escape for any steam that may form in the water. Every two or three weeks the flushing operation should be repeated. A drain cock in the bottom of the radiator or an outlet casting permits of easy drainage.

#### Auto Tire of the Future.

Many improvements have so perfected the auto tire as even to render racing comparatively safe. It is believed, however, that some radical departures will mark the greatest development in this line. Just where this is to be difficult to say. Inventors have been improving the inner tubes, the tread surfaces of the shoes, the fabrics and the means for holding the shoes to the rims. Possibly the tire revolutionizing the industry will combine the air cushion and spring features in such a way as to overcome the defects and shortcomings of both forms.—Scientific American.

#### Driving British Car at Front.

According to advice from France Barney Oldfield's former mechanic, Harry Breen, who was Barney's helper in the days when the cigar-chewing veteran was king of the dirt tracks, is now driving a car for a British staff officer at the front. Breen is a native of Pittsburgh, where he was born forty-five years ago.

## WOMAN COULD HARDLY STAND

Because of a Terrible Backache. Relieved by Lydia E. Pinkham's Vegetable Compound.

Philadelphia, Pa.—"I suffered from displacement and inflammation, and had such pains in my sides, and terrible backache so that I could hardly stand. I took six bottles of Lydia E. Pinkham's Vegetable Compound, and now I can do any amount of work, sleep good, eat good, and don't have a bit of trouble. I recommend Lydia E. Pinkham's Vegetable Compound to every suffering woman."—Mrs. HARRY FISHER, 1625 Doughton St., Nicetown, Pa.



Another Woman's Case. Providence, R.I.—"I cannot speak too highly of your Vegetable Compound as it has done wonders for me and I would not be without it. I had a displacement, bearing down, and backache, until I could hardly stand and was thoroughly run down when I took Lydia E. Pinkham's Vegetable Compound. It helped me and I am in the best of health at present. I work in a factory all day long besides doing my housework so you can see what it has done for me. I give you permission to publish my name and I speak of your Vegetable Compound to many of my friends."—Mrs. ABEL LAWSON, 126 Lippitt St., Providence, R.I.

Danger Signals to Women are what one physician called backache, headache, nervousness, and the blues. In many cases they are symptoms of some female derangement or an inflammatory, ulcerative condition, which may be overcome by taking Lydia E. Pinkham's Vegetable Compound. Thousands of American women willingly testify to its virtue.

A guilty conscience makes a hard pillow.

Be happy. Use Red Cross Bag Blue; much better than liquid blue. Delights the laundress. All grocers. Adv.

#### There's a Reason.

"Why didn't you laugh at the boss joke, Bill?"

"Don't have to; I quit Saturday."

#### What It Does.

"There's nothing like adversity to bring a man out."

"Yes, out at the elbows."

#### Close Enough.

"Where would the average 'speed king' be without his mechanician?"

"My first guess is under the car."

#### Styles.

Bill—I see the Atlanta convicts are no longer required to wear striped clothing.

Jill—Perhaps that's the reason some of the fashionable women are breaking out in it.

#### Steep the Sassafras.

A St. Louis clergyman gloomily in forms us:

"The images of the poet and the painter have ceased to charm us. We want the realities. Hence the passing of poetry."

Sassafras tea in liberal doses, about this time of year, was formerly believed to be a sound remedy for the physical conditions which generate that state of mind.

#### Caught.

"What a pretty hat, Mrs. Pinky wore this evening?"

"Did you like it, dear?"

"Yes, it was very becoming. Why don't you get hats like that?"

"You mustn't blame me if I laugh. John, the hat you like is my hat."

Mrs. Pinky borrowed it this evening. It's the \$30 hat you called a fright!"—Cleveland Plain Dealer.

#### GET POWER

The Supply Comes From Food.

If we get power from food, why not strive to get all the power we can. That is only possible by selecting food that exactly fits the requirements of the body.

"Not knowing how to select the right food to fit my needs, I suffered grievously for a long time from stomach trouble," writes a lady from a little Western town.

"It seemed as if I would never be able to find out the sort of food that was best for me. Hardly anything that I could eat would stay on my stomach. Every attempt gave me heartburn and filled my stomach with gas. I got thinner and thinner until I literally became a living skeleton and in time was compelled to keep to my bed."

"A few months ago I was persuaded to try Grape-Nuts food, and it had such good effect from the very beginning that I kept up its use. I was surprised at the ease with which I digested it. It proved to be just what I needed."

"All my unpleasant symptoms, the heartburn, the inflated feeling which gave me so much pain, disappeared. My weight gradually increased from 95 to 116 lbs., my figure rounded out, my strength came back, and I am now able to do my housework and enjoy it. Grape-Nuts did it."

A ten days trial will show anyone some facts about food.

Name given by Postum Co., Battle Creek, Mich. Read, "The Road to Well-being" in pgs. "There's a Reason."

Ever read the above letter? A sure one appears from time to time. They are genuine, true, and full of human interest.